ENGLISH

BlueCard

TCP/IP Remote Communication Station User's Manual

BS-6000

Please read this manual carefully, before starting to operate the station.

CE FC

Main Features

The BS-6000 is able to upload data collected from guard tour readers over the TCP/IP network (either intranet or Internet) by connecting to an Ethernet (RJ45 Cable). Prior to deployment, the BS-6000 unit needs to be connected to the PC and be setup using the provided software. The provided software also acts as the server software, transferring data to a stand-along or web-based software system.

First-Time Usage

Before download the data from reader, we recommend you to initialize the station to make sure the station does not have any useless records.

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Description of the BS-6000 hardware

Status LED Lights

(in the descriptions below, “up” indicates the direction on the BS-6000 where the status LED lights are located):

- Red LED – Upper-Left
  - ~ Flashing: Receiving/Sending the data by Internet.
  - ~ Constant on: the BS-6000 has data that needs to be uploaded.
  - ~ Constant off: the BS-6000 does not have data that needs to be uploaded.
- Green LED – Lower-Left
  - ~ Flashing once per second: the BS-6000 is operating normally.
- Red LED – Upper-Right
  - ~ Constant on: the unit is connected with the Internet.
  - ~ Constant off: the unit is not connected with the Internet.
- Blue LED – Lower-Right
  - ~ Flashing once per second: the BS-6000 is operating normally.
  - ~ Flashing quickly: the BS-6000 is calling the target server.

Audio Signals

There are two types of audio signals: long beep and short beep.
Some of the audio signals below have multiple meanings depending on the situation.

- Short Beep (once)
  - ~ Guard tour reader has been found, but the reader does not contain data that needs to be uploaded.
  - ~ The local unit has connected successfully with the BS6000 server and set the IP successfully.
- Short Beep (twice consecutively)
  - ~ Guard tour reader has been found, and the reader contains data that needs to be uploaded.
- Short Beep (three times consecutively)
  - ~ The BS-6000 is failed to calling the target server.
- Short Beep (three times in every three seconds)
  - ~ The BS-6000’s memory is full, and its data needs to be uploaded to the PC first.
- Short Beep (three times consecutively) + One Second Stop + Short Beep (three times consecutively)
  - ~ The comm station has not been registered in the BS-6000 server.

- Long Beep (once) + Short Beep (twice)
  ~ The BS-6000 is calling the target server.
- Long Beep (three times consecutively)
  ~ Data has been completely transferred via the Internet.
- Long Beep (once) + Short Beep (three times)
  ~ The BS-6000 is not operable and needs to be initialized by the manufacturer.

Power Source

- The BS-6000 is able to use multiple types of power supplies:
  ~ USB connection to the computer.
  ~ 7.5V AC adapter.
  ~ Car adapter.
- The BS-6000 will turn on automatically after being connected to a power source. The status LED lights will start flashing at a normal pace if the unit is operating correctly.

Operating Instructions

Installing TCP/IP Server Utility & Download Internet settings from TCP/IP Server

Please refer to the TCP/IP Server Utility User's Manual for the details on BS-6000 settings.

Collecting data from guard tour readers

Compatible readers include models BP-2002S, BP-2002F, BP-2002-W, and BP-2002B-W.

- Turn on the BS-6000
- Set the reader into the indentation on the BS-6000. For reader model BP-2002S, please place its reading head between the status lights, and set its top flush against the inside edge of the BS-6000.
- If there is data that needs to be transferred from the reader to the BS-6000, its blue LED light will start flashing rapidly, indicating that data is being transferred. When the transfer process is complete, the BS-6000 will make one long beep, then one short beep periodically every few seconds, indicating that the reader connected no longer has any data to upload, and should be removed. If you have another reader that needs to have its data transferred, please place it in the unit at this time.

- If the BS-6000 makes three short beeps, it means that its memory is full, and will need to have it uploaded before being able to collect any more data from readers.

Remote data upload

Please make sure BS-6000 has been connected with the intranet or Internet.

Once it has data that needs to be uploaded, the BS-6000 will automatically attempt to connect and upload to the server. This will occur after communication with a reader is complete, and also when the BS-6000 is first powered up. If it does not succeed on the first attempt, it will try again once every 30 seconds for the next 90 seconds. Afterwards, it will wait for 3 minutes, and start trying again every 30 seconds for another 90 seconds. The cycle continues until all unuploaded data has been uploaded. The red LED next to the green LED will then turn off.

Local data upload

- BS-6000 is capable of uploading the stored data to the PC directly.
  - Connect the unit to the PC using the USB cable provided.
  - Start the patrol management software, and select the appropriate communication method.
  - Open the “connect” screen in the patrol management software, which will automatically collect data from the BS-6000.

Troubleshooting

After turning on the unit, its green and blue LED status lights do not flash.

This means that the unit was not properly reset. Please disconnect its power, and reconnect after at least 3 seconds.

Nothing happens after placing a guard tour reader upon the unit.

Make sure that the BS-6000 is operating properly, and that its LED status lights are flashing correctly.

Check to see if the reader is placed properly on the unit. The reading head of the reader should be between the status lights of the unit, and its top should be flush against the inside edge of the unit.

Please note that the BS-6000 unit is not able to upload data from guard tour readers when it is communicating with the PC, or 10 seconds following its most recent communication with the PC.

During setup (when the PC is connected to the BS-6000 via the USB cable), the BS-6000 does not respond to Call requests from the software.

Make sure that the BS-6000 is operating properly, and that its LED status lights are flashing correctly.

Check in Windows Device Manager and make sure that the proper USB driver has been installed for the BS-6000.

The BS-6000 is not able to upload data to the server.

Make sure that the BS-6000 program has been started on the server, and its server function has been started.

If the BS-6000 emits two consecutive short beeps while attempting to communicate with the server, it means that the Ethernet cable is not properly connected.

Make sure that the TCP/IP server settings on the BS-6000 unit are correct.

Please contact with the technology support if you can not solve the problem by using above solutions.

BS-6000 Data Sheet

Size:	159x79x33mm
Color:	Dark Grey
Connection With Readers:	RFID Wireless Connection
Connection With PC:	USB
Memory	Flash Memory
Storage Capacity	49713 records
Data Transferring Speed	40recods/second
Card reading format	EMID RFID
Operating temperature	-20°C to 70°C
Operating humidity	0 to 95%

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